Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for public wireless network access comprising:

detecting the presence of a Local Area Network (LAN) providing wireless network access to a global communication data network with at least one mobile device at a LAN location;

requesting identification information from the at least one mobile device through an access node of the LAN;

sending user information from the at least one mobile device to the access node of the LAN, the user information including identification of the at least one mobile device and demographic information about a user of the at least one mobile device;

sending the forwarding at least part of the demographic information about the user of the at least one mobile device to an advertising server coupled to the LAN;

providing access to the global communication data network through a gateway of the LAN to the at least one mobile device in response to receiving the demographic information about the user of the at least one mobile device by the advertising server from the access node of the LAN;

2

accessing the global communication data network through a~the gateway of the LAN with the at least one mobile device;

receiving commercial messages at the location through the gateway from the advertising server, the commercial messages being selected based on the forwarded demographic information of each of the users provided with the access to the global data communication network through the LAN; and

sending displaying the received commercial messages to on at least one display connected to the access node of the LAN at the LAN location for viewing by all persons at the said location including the users provided with the access to the global data communication network through the LAN.

2. (original) The method according to claim 1, wherein the advertising server is managed by an advertising service.

3. (original) The method according to claim 1, further comprising sending payment by the advertising service to the location for display of the commercial messages.

4. (original) The method according to claim 1, further comprising sending payment by the advertising service to an Internet Service Provider for the cost of providing Internet access to the location.

5. (original) The method according to claim 1, further comprising receiving commercial messages based on the demographic information of a single user.

6. (original) The method according to claim 1, further comprising monitoring when users are no longer present at the location, the monitoring being performed by a hub on the LAN.

7. (original) The method according to claim 6, further comprising periodically sending updated demographic information about users of the at least one mobile devices at the location to the advertising server.

8. (original) The method according to claim 1, further comprising comparing the user demographic information with commercial advertising content, the commercial messages being based on the comparing.

9. (original) The method according to claim 1, wherein the location is a commercial establishment.

10. (original) The method according to claim 1, further comprising registering each user of the at least one mobile device at the commercial establishment after receiving access to the LAN by the at least one mobile device, the user henceforth

4

being registered at all other participating commercial establishments of the same corporate owner.

11. (original) The method according to claim 1, wherein the identification information comprises at least one of name, email address, and social security number.

12. (original) The method according to claim 1, wherein the demographic information comprises at least one of age, zip code, income, profession, and sex.

13. (original) The method according to claim 1, wherein the commercial messages comprise product advertisements.

14. (original) The method according to claim 1, wherein the commercial messages comprise advertisements for services.

15. (original) The method according to claim 1, wherein the LAN comprises a Wireless Local Area Network (WLAN).

16. (original) The method according to claim 1, wherein the global communication data network comprises the Internet.

17. (original) The method according to claim 1, wherein the node comprises a hub on the LAN.

18. (previously presented) A system for providing public wireless Internet access comprising:

a hub, the hub operatively connected to a global communication data network through a gateway;

at least one display device operatively connected to the hub, the at least one display device displaying commercial messages from an advertising server connected to the global communication data network; and

a Local Area Network (LAN) operatively connected to the hub,

wherein the hub provides public wireless access to the global communication data network by allowing mobile devices in proximity to the system access to the LAN and the hub, the access to the global communication data network being free to the public due to the displaying of the commercial messages on at least one display.

19. (original) The system according to claim 18, wherein the display device comprises one of a Liquid Crystal Display (LCD), touch screen display, E-ink display, autostereoscopic lenticular monitor display, and Cathode Ray Tube (CRT) display.

20. (original) The system according to claim 18, further comprising an enclosure, the hub, the display, and the LAN being contained in the enclosure.

21. (original) The system according to claim 20, wherein the enclosure resides at a commercial establishment.

22. (original) The system according to claim 21, wherein only mobile devices at the commercial establishment have accessibility to the LAN.

23. (original) The system according to claim 20, wherein the enclosure is wall mountable.

24. (original) The system according to claim 18, wherein the LAN comprises a Wireless Local Area Network (WLAN).

25. (original) The method according to claim 18, wherein the LAN comprises a Bluetooth network.

26. (original) The system according to claim 18, wherein the global communication data network comprises the Internet.

27. (currently amended) An article comprising a storage medium having instructions stored therein, the instructions when executed causing a processing device to perform:

requesting identification information from at least one mobile device by a hub on a Local Area Network (LAN), providing wireless network access to a global communication data network, the requesting occurring after the at least one mobile device at a location detected the presence of the LAN and requested access through an access node of the LAN;

receiving user information from the at least one mobile device at the hub, the user information including identification of the at least one mobile device and demographic information about a user of the at least one mobile device;

~~sending~~ forwarding at least part of the demographic information about the user of the at least one mobile device to an advertising server coupled to the LAN;

giving access to the global communication data network through the hub of the LAN to the at least one mobile device in response to receiving the demographic information about the user ~~of the at least one mobile device by the advertising server from the access node of the LAN~~;

receiving commercial messages at the hub from the advertising server, the commercial messages being selected based on the forwarded demographic information of each of the users provided with the access to the global data communications network through the LAN; and

~~sending~~ displaying the received commercial messages ~~to~~ on at least one display ~~connected to the access node of the LAN~~ at the LAN location for viewing by all persons at the location including the users provided with the access to the global data communication network through the LAN.

28. (original) The article according to claim 27, the processing device further performing monitoring when users are no longer present at the location, the monitoring being performed by the hub.

29. (original) The article according to claim 27, the processing device further performing periodically sending updated demographic information about users of the at least one mobile devices at the location to the advertising server.

30. (original) The article according to claim 27, wherein the LAN comprises a Wireless Local Area Network (WLAN).

31. (original) The method according to claim 27, wherein the LAN comprises a Bluetooth network.

32. (original) The article according to claim 27, wherein the global communication data network comprises the Internet.

33. (currently amended) A processing device having instructions stored therein, the processing device connected to a Local Area Network (LAN), the instructions when executed causing the processing device to perform:

requesting identification information from at least one mobile device by the

9

processing device, the requesting occurring after the at least one mobile device at a location detected the presence of the LAN providing wireless network access to a global communication data network and requested access through an access node of the LAN;

receiving user information from the at least one mobile device at the processing device, the user information including identification of the at least one mobile device and demographic information about a user of the at least one mobile device;

~~sending~~ forwarding at least part of the demographic information about the user of the at least one mobile device to an advertising server coupled to the LAN;

giving access to the global communication data network through the hub of the LAN to the at least one mobile device in response to receiving the demographic information about the user ~~of the at least one mobile device by the advertising server from the access node of the LAN~~;

receiving commercial messages at the processing device from the advertising server, the commercial messages being selected based on the forwarded demographic information of each of the users provided with the access to the global data communication network through the LAN; and

~~sending~~ displaying the received commercial messages ~~to~~ on at least one display ~~connected to the access node of the LAN~~ at the LAN location for viewing by all persons at the location including the users provided with the access to the global data communication network through the LAN.

10

34. (original) The processing device according to claim 33, the processing device further monitoring when users are no longer present at the location.

35. (original) The processing device according to claim 33, the processing device further periodically sending updated demographic information about users of the at least one mobile devices at the location to the advertising server.

36. (original) The processing device according to claim 33, wherein the LAN comprises a Wireless Local Area Network (WLAN).

37. (previously presented) The processing device according to claim 33, wherein the LAN comprises a Bluetooth network.

38. (original) The processing device according to claim 33, wherein the global communication data network comprises the Internet.

39. (currently amended) A method for public wireless paying network access comprising:

selecting items to purchase at a commercial establishment by a customer;

sending user information from a mobile device of the customer to a Local Area Network (LAN) at the commercial establishment through an access node of the

LAN, the LAN providing wireless network access to a global communication data network, the user information including identification of the mobile device and demographic information about the customer;

placing identification information for the customer into a queue, the queue identifying customers ready to purchase items selected by each customer, the customer identification information being placed on the queue in a chronological order, the contents of the queue being displayed at the commercial establishment for viewing by all persons;

~~sending~~ forwarding at least part of the demographic information about each customer on the queue to an advertising server coupled to the LAN;

receiving commercial messages from the advertising server, the commercial messages being selected based on the demographic information of each of the customers provided with access to the LAN; and

~~sending~~ displaying the received commercial messages ~~to~~ on at least one display ~~connected to the access node of the LAN~~ at the LAN commercial establishment for viewing by all persons at the commercial establishment including the customers provided with the access to the global communication data network through the LAN.

40. (original) The method according to claim 39, further comprising monitoring, by the customer, when it is the customer's turn, the customer paying for the selected items when it is the customer's turn.

12

41. (original) The method according to claim 39, further comprising deleting the customer from the queue after the customer has purchased the selected items.

42. (original) The method according to claim 39, wherein the LAN allows access by at least one of a WLAN compatible device and a Bluetooth compatible device.